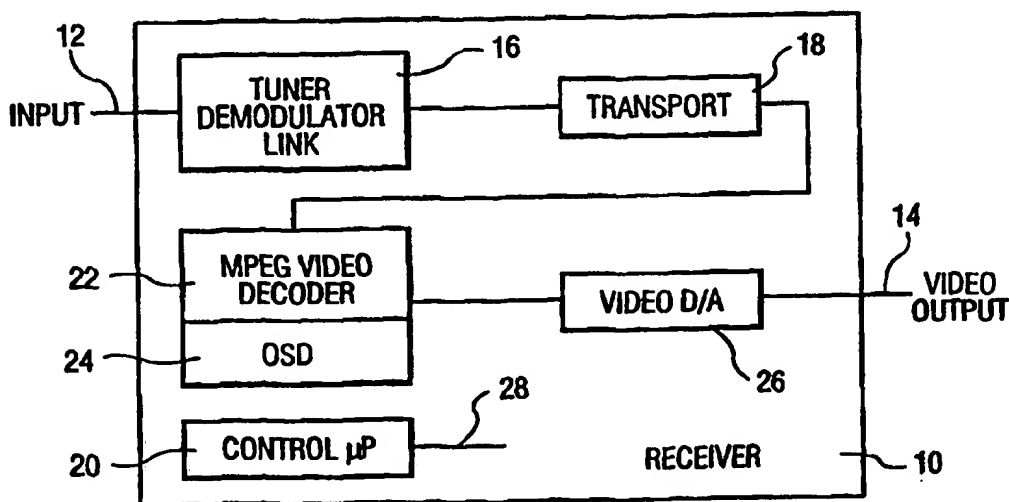




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(21) International Application Number: PCT/US99/16187 (22) International Filing Date: 15 July 1999 (15.07.99) (30) Priority Data: 60/093,699 22 July 1998 (22.07.98) US (71) Applicant (for all designated States except US): THOMSON CONSUMER ELECTRONICS, INC. [US/US]; 10330 North Meridian Street, Indianapolis, IN 46290 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): MENGEL, William, Henry [US/US]; 846 W. 146th Street, Carmel, IN 46032 (US). (74) Agents: TRIPOLI, Joseph, S. et al.; Thomson Multimedia Licensing Incorporated, P.O. Box 5312, Princeton, NJ 08543 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>

(54) Title: USE OF ON-SCREEN DISPLAY (OSD) FOR SUPPLYING CONTROL AND AUXILIARY INFORMATION TO EXTERNAL DEVICES

**(57) Abstract**

Control or other information may be added to a video signal having no blanking intervals, as from a digital satellite receiver, a digital television converter/set-top box or the like, and decoded and utilized by a receiving external device, through utilization of the OSD capabilities of the receiver and external device. The information is insertable during non-blanking of the video and can be utilized to convey control information, signatures/watermarks, or the like from the receiver to the external device. Thus, the OSD can be used to deliver control or other information usually included in the blanking interval of an analog television signal by including the control or other information in non-blanking portions. A device external to the device providing the OSD capability will receive the data in the non-blanking region and process the data to obtain the required information.